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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)	<b>Attorney Docket Number</b>	BP 1622
	<b>First Named Inventor</b>	Anders Hebsgaard
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	

**As a below named inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DOCSIS MAC LAYER-BASED ARQ FOR FIXED WIRELESS**

the specification of which  
☐ is attached hereto  
  
OR  
  
☐ was filed on (MM/DD/YYYY) \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_ and was amended on (MM/DD/YYYY) \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 3659a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	
		<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto

DECLARATION - Utility or Design Patent Application					
I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application					
U.S. Parent Application or PCT Parent Number		Parent Filing Date (MM/DD/YYYY)		Parent Patent Number (if applicable)	
09/430,821		10/29/1999			
09/574,558		05/19/2000			
09/653,155		08/31/2000			
10/097,942		03/15/2002			
<input type="checkbox"/> Additional U.S. or PCT International application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto					
Direct all correspondence to: <input type="checkbox"/> Customer Number or Bar Code Label OR <input checked="" type="checkbox"/> Correspondence address below					
Name	James A. Harrison				
Address	Garlick, Harrison & Markison, LLP				
Address	P.O. Box 670007				
City	Dallas	State	TX	Zip	75367
Country	US	Telephone	(214) 902-8100	Fax	(214) 902-8101
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the same are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
Name of Sole or First Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
ANDERS		HEBSGAARD			
Inventor's Signature: <i>Anders Helgaard</i>		Date: 31. Oct 2003			
Residence	City: Frederiksberg	State/Prov:	Country: Denmark	Citizenship: DANISH	
Post Office Address	Guldborgvej 15, 5 <sup>th</sup>				
Post Office Address					
City	Frederiksberg	State/Prov:	Zip: 2000	Country: Denmark	
Name of Second Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
MARK		DALE			
Inventor's Signature:		Date:			
Residence	City: Laguna Hills	State/Prov: CA	Country: US	Citizenship: US	
Post Office Address	26962 Willow Tree Lane				
Post Office Address					
City	Laguna Hills	State/Prov: CA	Zip: 92653	Country: US	

**ASSIGNMENT**

**WHEREAS**, the undersigned inventors, hereinafter called the "Assignors", have invented a new and useful invention entitled:

**DOCSIS MAC LAYER-BASED ARQ FOR FIXED WIRELESS**

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith.

**WHEREAS**, **Broadcom Corporation** , a **USA** company having a principal office and place of business at, **16215 Alton Parkway** **Irvine** **California** **92618-7013** hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN**, be it known that for valuable legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, and all Letters Patents that may issue for the said invention, and all division, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

**FURTHER**, be it known that the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional

papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below.

Anders Hebsgaard Oct 31.  
Anders Hebsgaard                      date 2003

Mark Dale

date

date

date

date

date



## DECLARATION OF JAMES A. HARRISON

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### FACT #1

On November 3, 2003, I wrote a letter (copy of Certificate of Mailing is attached), on behalf of Assignee, to Mr. Mark Dale (the non-signing inventor) at the address provided by Assignee and enclosed a copy of the specification, figures, Declaration, and Assignment, with instructions to Mr. Dale to review the patent application and to execute the Declaration and Assignment and to return to me by December 1, 2003. I have enclosed a copy of this letter.

### FACT #2

On March 10, 2004, after not having received a response from Mr. Dale to my first letter, I wrote a second letter that was sent via Certified Mail, Return Receipt Requested. I copy of this is also enclosed. Again I sent a second copy of the specification, the Declaration and the Assignment, and asked him to review the application once again and to let me know if there were any concerns so that I may attempt to resolve them. I requested a response from him by March 23, 2004.

### FACT #3


The Return Receipt has not yet been received as of this date, thereby suggesting that Mr. Dale has refused to accept the package and sign the Return Receipt.

### FACT #4

Mr. Dale has not responded to my attempts to reach him and to obtain his signatures as he is required to provide under his employment agreement with his former employer, the present assignee. Moreover, Mr. Dale has an established pattern of refusing to cooperate with the present assignee and its representatives in numerous other applications for patent. Accordingly, it is very

clear that Mr. Dale has no intention of cooperating and providing his signature as his employment contract requires. As of the date of this Petition, I have not received the Declaration or the Assignment, nor have I heard from or had any communication with Mr. Mark Dale regarding obtaining the necessary documents since I originally had tried to contact him.

Date: 4/2/04

  
James A. Harrison, Reg. No. 40,401

**GARLICK HARRISON & MARKISON**  
P.O. Box 670007  
Dallas, Texas 75367  
(214) 902-8100/office  
(214) 902-8101/facsimile



GARLICK HARRISON & MARKISON, LLP

ATTORNEYS AT LAW

4550 MELISSA LANE  
DALLAS, TEXAS 75229

TELEPHONE (214) 902-8100

FACSIMILE (214) 902-8101

E-MAIL: [jharrison@texaspatents.com](mailto:jharrison@texaspatents.com)

◆ INTELLECTUAL PROPERTY AND TECHNOLOGY LAW ◆

November 3, 2003

Mr. Mark Dale  
26962 Willow Tree Lane  
Laguna Hills, CA 92653

*RE: Utility Patent Application entitled, "DOCSIS MAC Layer-Based ARQ for Fixed Wireless"; Attorney Docket No. BP 1622; Declaration and Assignment*

Dear Mr. Dale,

I have assumed responsibility for the prosecution of the aforementioned utility patent application from Robert Strawbrich, as he is no longer with our firm. As such, enclosed please find a copy of the specification and figures for the above-referenced patent application filed on October 30, 2003, in which you are listed as a co-inventor. After reviewing the application, please sign the Declaration and Assignment and fax back to me at the above number by December 1, 2003. Please send the originals via regular U.S. mail using the enclosed return self-addressed stamped envelope.

I appreciate your assistance in this matter. Please feel free to call me if you have any questions or comments.

Very truly yours,

James A. Harrison

Enclosures

JAH/slm



**U.S. POSTAL SERVICE** **CERTIFICATE OF MAILING**  
MAY BE USED FOR DOMESTIC AND INTERNATIONAL MAIL, DOES NOT  
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Received From:  
*James L. Harrison*  
P.O. Box 670007  
Dallas, TX 75368

One piece of ordinary mail addressed to:  
*Mr. Mark D. Williams*  
26962 Willow Tree Lane  
Laguna Hills, CA 92653-0221

**DALLAS**  
NOV-3'03  
TX

**0.90**

**NOV 03 2003**

**PS Form 3817, January 2001**

Mall America Forest Lane  
3767 Forest Lane. Ste 124

Dallas, TX 75244  
972-241-7880

Invoice#: 01115156 Clerk: ADRIAN

11/03/2003 15:25

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SKU#			
Certificate Of Mailing			
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Sales Tax: \$0.00

Total: \$0.90

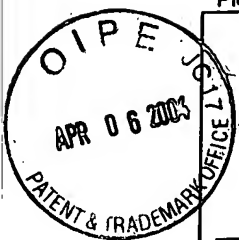
Cash Tendered: \$1.00

Change Due: \$0.10

Garlick Harrison & Markison, LLP  
P.O. Box 670007  
Dallas, TX 75367



James A. Harrison  
Garlick Harrison & Markison, LLP  
P.O. Box 670007  
Dallas, TX 75367



Please Type a plus sign (+) inside this box

+

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration  
Submitted  
with Initial  
Filing

OR

☒ Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16(e))  
required)

Attorney Docket Number BP 1622

First Named Inventor Anders Hebsgaard

**COMPLETE IF KNOWN**

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DOCSIS MAC LAYER-BASED ARQ FOR FIXED WIRELESS**

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) October 30, 2003 as United States Application Number or PCT International Application Number \_\_\_\_\_ and was amended on (MM/DD/YYYY) \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 3659a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto

DECLARATION – Utility or Design Patent Application					
I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application					
U.S. Parent Application or PCT Parent Number		Parent Filing Date (MM/DD/YYYY)		Parent Patent Number (if applicable)	
09/430,821		10/29/1999			
09/574,558		05/19/2000			
09/653,155		08/31/2000			
10/097,942		03/15/2002			
<input type="checkbox"/> Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto					
Direct all correspondence to: <input type="checkbox"/> Customer Number or Bar Code Label OR <input checked="" type="checkbox"/> Correspondence address below					
Name	James A. Harrison				
Address	Garlick, Harrison & Markison, LLP				
Address	P.O. Box 670007				
City	Dallas	State	TX	Zip	75367
Country	US	Telephone	(214) 902-8100	Fax	(214) 902-8101
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
Name of Sole or First Inventor:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])			Family Name or Surname		
ANDERS			HEBSGAARD		
Inventor's Signature:			Date:		
Residence	City: Frederiksberg	State/Prov:	Country: Denmark	Citizenship:	
Post Office Address	Guldborgvej 15, 5 <sup>th</sup>				
Post Office Address					
City	Frederiksberg	State/Prov:	Zip: 2000	Country: Denmark	
Name of Second Inventor:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])			Family Name or Surname		
MARK			DALE		
Inventor's Signature:			Date:		
Residence	City: Laguna Hills	State/Prov: CA	Country: US	Citizenship: US	
Post Office Address	26962 Willow Tree Lane				
Post Office Address					
City	Laguna Hills	State/Prov: CA	Zip: 92653	Country: US	

**ASSIGNMENT**

**WHEREAS**, the undersigned inventors, hereinafter called the "Assignors", have invented a new and useful invention entitled:

**DOCSIS MAC LAYER-BASED ARQ FOR FIXED WIRELESS**

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith.

**WHEREAS**, **Broadcom Corporation**, a USA company having a principal office and place of business at, **16215 Alton Parkway** **Irvine** **California** **92618-7013** hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN**, be it known that for valuable legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, and all Letters Patents that may issue for the said invention, and all division, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

**FURTHER**, be it known that the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional

papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below.

_____ Anders Hebsgaard	_____ date	_____ Mark Dale	_____ date
_____ date		_____ date	
_____ date		_____ date	



GARLICK HARRISON & MARKISON, LLP

ATTORNEYS AT LAW

4550 MELISSA LANE

DALLAS, TEXAS 75229

TELEPHONE (214) 902-8100

FACSIMILE (214) 902-8101

E-MAIL: [jharrison@texaspatents.com](mailto:jharrison@texaspatents.com)

♦ INTELLECTUAL PROPERTY AND TECHNOLOGY LAW ♦

March 10, 2004

Mr. Mark Dale  
26962 Willow Tree Lane  
Laguna Hills, CA 92653

VIA CERTIFIED MAIL-RRR  
#7000 1530 0004 6380 2786

RE: *Utility Patent Application entitled, "DOCSIS MAC Layer-Based ARQ for Fixed Wireless", Docket No. BP1622*


Dear Mr. Dale,

Enclosed please find a second copy of the above-referenced patent application for which you were listed as a co-inventor. The first copy was sent to you on November 3, 2003. The application was filed with the U.S. Patent and Trademark Office on October 30, 2003 without your signatures on the "Declaration" and "Assignment". We are at the point now that we are being asked by the United States Patent and Trademark Office to provide your signatures or to file various papers explaining why we don't have a signature for you. Our preference is to obtain your signature to avoid the additional paperwork. Along these lines, if you have any concerns, please let me know so that I may attempt to resolve them. After reviewing the application, please sign and return the enclosed "Declaration" and "Assignment" documents in order that we may forward these to the U.S. Patent and Trademark Office. A return envelope is provided for your convenience. Please also fax a copy of the signature pages for both documents to the above fax number.

We respectfully request that you respond by March 23, 2004, either by signing and faxing the above documents to me, or by calling me.

Again, if you have any concerns regarding this application, please feel free to call me to discuss.

Very truly yours,



James A. Harrison

Enclosures

cc: Dee Henderson (w/o encls.)

JAH/slm

BP1622-Req for Sigs-Dale-031004

Please Type a plus sign (+) inside this box

+

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**



Declaration  
Submitted  
with Initial  
Filing

OR



Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16(e))  
required)

Attorney Docket Number BP 1622

First Named Inventor Anders Hebsgaard

**COMPLETE IF KNOWN**

Application Number

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Examiner Name

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I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DOCSIS MAC LAYER-BASED ARQ FOR FIXED WIRELESS**

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09/653,155		08/31/2000			
10/097,942		03/15/2002			
<input type="checkbox"/> Additional U.S. or PCT International application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto					
Direct all correspondence to: <input type="checkbox"/> Customer Number or Bar Code Label OR <input checked="" type="checkbox"/> Correspondence address below					
Name	James A. Harrison				
Address	Garlick, Harrison & Markison, LLP				
Address	P.O. Box 670007				
City	Dallas	State	TX	Zip	75367
Country	US	Telephone	(214) 902-8100	Fax	(214) 902-8101
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
Name of Sole or First Inventor:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))			Family Name or Surname		
ANDERS			HEBSGAARD		
Inventor's Signature:			Date:		
Residence	City: Frederiksberg	State/Prov:	Country: Denmark	Citizenship:	
Post Office Address	Guldborgvej 15, 5 <sup>th</sup>				
Post Office Address					
City	Frederiksberg	State/Prov:	Zip: 2000	Country: Denmark	
Name of Second Inventor:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))			Family Name or Surname		
MARK			DALE		
Inventor's Signature:			Date:		
Residence	City: Laguna Hills	State/Prov: CA	Country: US	Citizenship: US	
Post Office Address	26962 Willow Tree Lane				
Post Office Address					
City	Laguna Hills	State/Prov: CA	Zip: 92653	Country: US	

**ASSIGNMENT**

**WHEREAS**, the undersigned inventors, hereinafter called the "Assignors", have invented a new and useful invention entitled:

**DOCSIS MAC LAYER-BASED ARQ FOR FIXED WIRELESS**

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith.

**WHEREAS**, **Broadcom Corporation** , a **USA** company having a principal office and place of business at, **16215 Alton Parkway** **Irvine** **California** **92618-7013** hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN**, be it known that for valuable legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, and all Letters Patents that may issue for the said invention, and all division, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

**FURTHER**, be it known that the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional

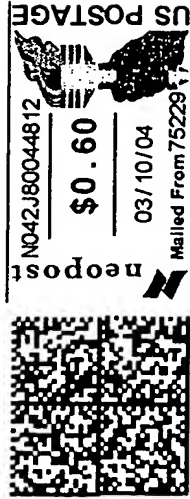
papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below.

_____ Anders Hebsgaard	_____ Mark Dale
_____ date	_____ date
_____ date	_____ date

*Return to*



James A. Harrison  
Marklick Harrison & Markison, LLP  
P.O. Box 670007  
Dallas, TX 75367



MR. MARK DALE  
26962 Willow Tree Lane  
Laguna Hills, CA 92653

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